

Title (en)
DISPLAY UNIT

Title (de)
ANZEIGEEINHEIT

Title (fr)
UNITÉ D'AFFICHAGE

Publication
EP 3742218 A1 20201125 (EN)

Application
EP 20169999 A 20200417

Priority
JP 2019095315 A 20190521

Abstract (en)

A display unit of the present invention includes a first display (head-up display) for displaying various information by irradiating a surface to be irradiated with video light and a control part for controlling the first display. The control part controls to display information on an inter-vehicle distance (bar graph), information on an inter-intersection (digital numerical value), an intersection image, and an arrow.

IPC 8 full level
G02B 27/01 (2006.01); **G01C 21/36** (2006.01); **H04N 21/414** (2011.01)

CPC (source: CN EP US)

B60K 35/00 (2013.01 - CN EP US); **B60K 35/213** (2024.01 - CN); **B60K 35/215** (2024.01 - CN); **B60K 35/22** (2024.01 - CN);
B60K 35/23 (2024.01 - CN EP); **B60K 35/28** (2024.01 - EP); **B60K 35/29** (2024.01 - CN EP); **B60K 35/60** (2024.01 - CN);
B60K 35/81 (2024.01 - CN); **B60R 1/00** (2013.01 - CN); **B60R 1/001** (2013.01 - US); **B60W 50/14** (2013.01 - CN); **G01C 21/3632** (2013.01 - EP);
G01C 21/365 (2013.01 - EP US); **G01C 21/3697** (2013.01 - US); **G01C 23/00** (2013.01 - US); **G02B 27/0101** (2013.01 - EP);
H04N 21/41422 (2013.01 - EP); **B60K 35/213** (2024.01 - US); **B60K 35/215** (2024.01 - US); **B60K 35/23** (2024.01 - US);
B60K 35/28 (2024.01 - US); **B60K 35/29** (2024.01 - US); **B60K 2360/166** (2024.01 - EP US); **B60K 2360/176** (2024.01 - EP);
B60K 2360/179 (2024.01 - EP); **B60K 2360/186** (2024.01 - CN); **B60K 2360/1868** (2024.01 - EP US); **B60K 2360/785** (2024.01 - CN);
B60R 2300/205 (2013.01 - US); **B60R 2300/207** (2013.01 - US); **B60R 2300/302** (2013.01 - US); **B60R 2300/8086** (2013.01 - US);
B60W 2050/146 (2013.01 - CN); **G02B 2027/014** (2013.01 - EP)

Citation (applicant)

- JP 2015016705 A 20150129 - MITSUBISHI ELECTRIC CORP
- JP 2015017810 A 20150129 - MITSUBISHI ELECTRIC CORP
- JP 2016182845 A 20161020 - MAZDA MOTOR

Citation (search report)

- [I] EP 3031655 A1 20160615 - RICOH CO LTD [JP]
- [A] EP 2848896 A1 20150318 - AISIN AW CO [JP]
- [A] KR 20170069767 A 20170621 - THINKWARE CORP [KR]
- [A] JP 2006284458 A 20061019 - DENSO CORP
- [A] US 9092987 B2 20150728 - BONE SVEN [DE], et al
- [A] JP 2016068693 A 20160509 - YAZAKI CORP
- [A] WO 2019004245 A1 20190103 - PANASONIC IP MAN CO LTD [JP]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)

EP 3742218 A1 20201125; EP 3742218 B1 20220209; CN 111976602 A 20201124; CN 111976602 B 20230905; JP 2020189549 A 20201126;
JP 7120963 B2 20220817; US 11400812 B2 20220802; US 2020369151 A1 20201126

DOCDB simple family (application)

EP 20169999 A 20200417; CN 202010319105 A 20200421; JP 2019095315 A 20190521; US 202016851669 A 20200417